

FIGURE 1

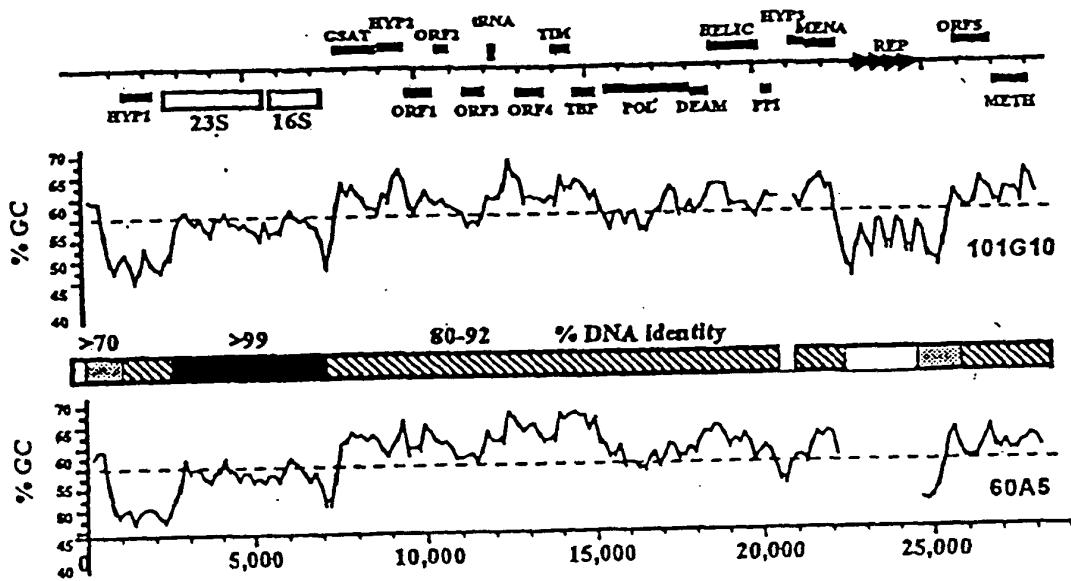


Figure 2

Eq. No.	Gene	Strain	TATA Box	Coding Start	TATA to Start (bp)	
81	Hypoth 03	A	AAGCTAGACT TTTAAT TGGG ATCCGGCGGG GCGGCGCATG	-----	-----	25
82		B	AAGCTAAACT TTTAAT TGGG ATCCGGCGAG CCGGCGCGTG	-----	-----	
83	Hypoth 02	A	GGAAAACTTG ATTATA CGGG CGTGCTGCC CGGGGCCCAT G-----	-----	-----	26
84		B	GGAAAACTTG ATTATA CGGG CGTACATTCC CGGGGCCCAT G-----	-----	-----	
85	ORF 02	A	AAGGCAAGGT AATAAT AGCC TGCCGTCTGT AACGGCCGTA TG-----	-----	-----	27
86		B	ACGGCAAGGT AATAAT AGCC TGCCGTCCGT ACCTGCGCGTA TG-----	-----	-----	
87	ORF 03	A	CATGGAACTA GATATT AACC GGTTCCGCGG ATCCCATGCA TG-----	-----	-----	27
88		B	CATGGAACTA GATAAT AACC GGTCCCGCGG GTACAATGCA TG-----	-----	-----	
89	PPI	A	ATACCGAGAA GTTATA GCAG GGTATGGAAT GTGCGCGCGC ATG-----	-----	-----	28
90		B	AGCACGACAA GTTATA GCAG GGTACAAAGG AGCAGCGCAC ATG-----	-----	-----	
91	GSAT	A	ATCCGCCCTG ATTAAA TTAT GGGGGGAGCG GCCTGCTGCC GTG-----	-----	-----	28
92		B	ATCCGGCCTC ATTAAA TTAC GGGGGGTACA ACCTGCTGCC GTG-----	-----	-----	
93	ORF 05	A	CCTTCATACA CATAAA TCCC GCTTGGATGT GCGGCTGCGC ATG-----	-----	-----	28
94		B	ACTTCATACA CATAAA TCCC GCCTGAACGG TCGTCCGCGC ATG-----	-----	-----	
95	deaminase	A	GGCATATAC CATAAT ATGC CGGGCGGTGG CACCATGGCC GTG-----	-----	-----	29
96		B	CCGCATATAC CATAAT ATGC CGGGCGGGGG CAGGCTGCC .GTG-----	-----	-----	
97	RNA helic	A	TGTACGAAAC CATAAA ACAA CAGGCCGCGT CAGGGCCGCG CGTG-----	-----	-----	29
98		B	GGGTAGAAC CATAAA ACAA CAGGCCGCGG CAGGGCG. CG CGTG-----	-----	-----	
99	ORF 06	A	..ACACGCAG TATAAA CGGG GGCCCGGGCG GCGCGTATCA CATG-----	-----	-----	29
100		B	ATACACGTGG TATAAA CAGA GG.CCGGACG GCGCGGACCA CATG-----	-----	-----	
101	tRNA-tyr	A	GCGATAGTTA TTTAAA ACTA GGATGCCGAT CACGGATCGT CCCA-----	-----	-----	29
102		B	GCGATAGTTA TTTAAA ACTA GGATGCCGG CACCCGTCGT CCCA-----	-----	-----	
103	TBP	A	CGGGGCCCG GTTAAA ATAG CG.CACGGGC GGATCCTGAC CAATG-----	-----	-----	30
104		B	CGGGGCCCG GTTAAA ATAG AGTGCGGCGG GGCACCCGGAT CAATG-----	-----	-----	
105	TIM	A	GCGTCGATAG AATAAA TACG CGCAGGGGC CCCGTGCCGC GATCGCCCGT G-----	-----	-----	36
106		B	GCGTCGATAG AATAAA TACG CGC.GGGGCC GCGGTGC... GATCGCCCGT G-----	-----	-----	
107	Hypoth 01	A	ATTCAACTA CATAAA TGCC TAGTTACGCA GAAATAGCAA ACGACGTACT TCGACTAATG	-----	-----	45
108		B	ATTCAACTA CATAAA TGCC TAGCTACGCA GAAATATCAA ACAAAGTACT TCGACTAATG	-----	-----	
109	ORF 01	A	ACGGCAGGCT ATTATT ACCT TGCCCTTGCGT TGTA //..G CGGGGTGCGG CAGGGGATG	-----	-----	52
110		B	ACGGCAGGCT ATTATT ACCT TGCCGTGTG. TACA //..G AGGGGGCCTG CCGGGAGTG	-----	-----	
111	Methylase	A	CTACAAACGAT TTTAAG TCGG CGCCGGGGCA GCCG.//..G ATGTGGGGCA GGCAACATG	-----	-----	104
112		B	CTACAAAGAT TTTAAG ACGG CGCGGGTGCC GCGG.//..T GGCACGGGGG CCTATCTTG	-----	-----	
113	16S RNA	A	TCGGCGATGG TTTATA TGCC CATGGACGGG CCGATCCGAT CGTACGTGAC GC.//..AAT	-----	-----	220
114		B	CCGGCGATGG TTTATA TGCC CATGGACAAG GCGATCCGAT CGTACGTGAC GC.//..AAT	-----	-----	
Archaeal promoter						
consensus			YTTAWA			

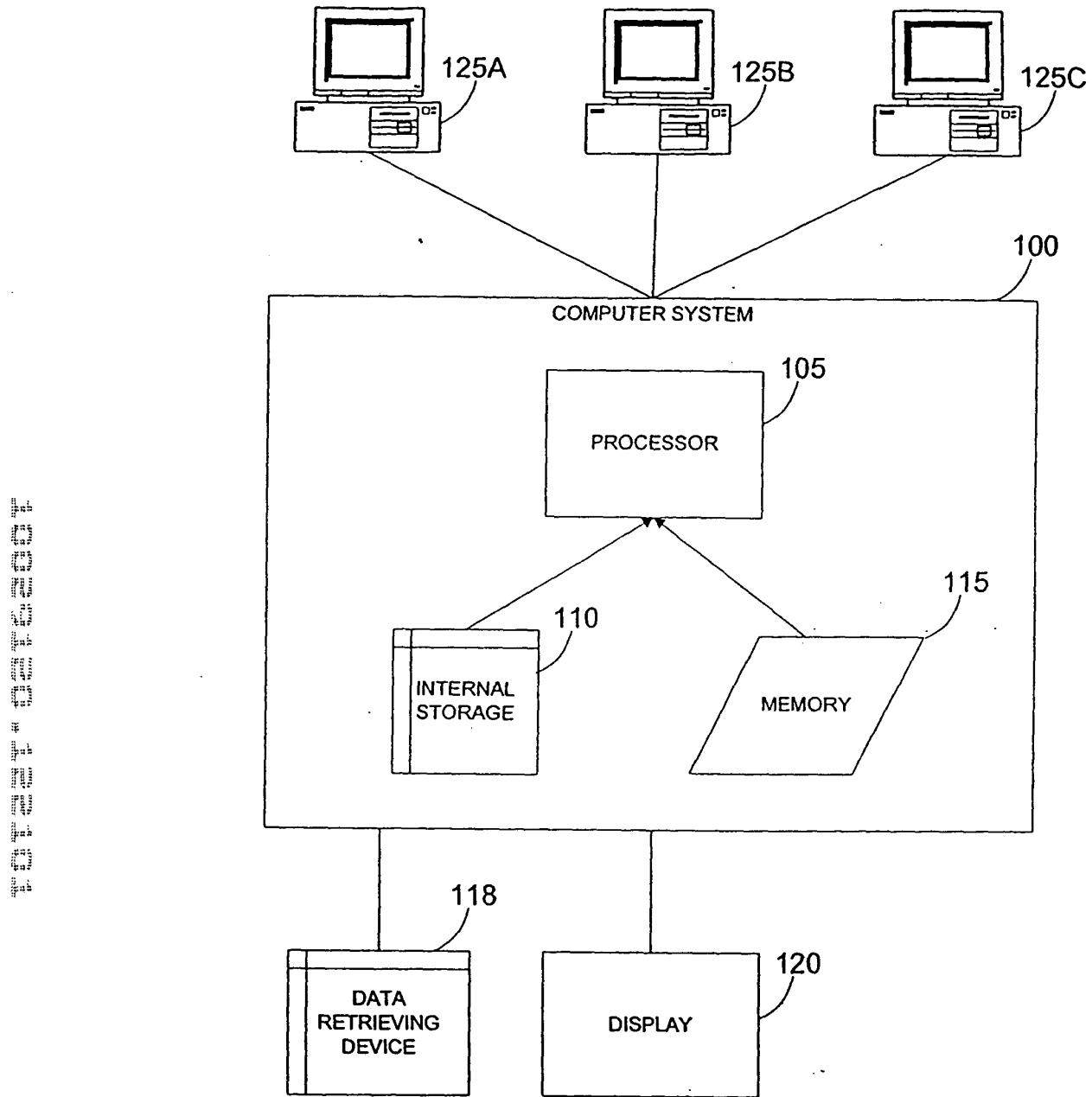


FIGURE 3

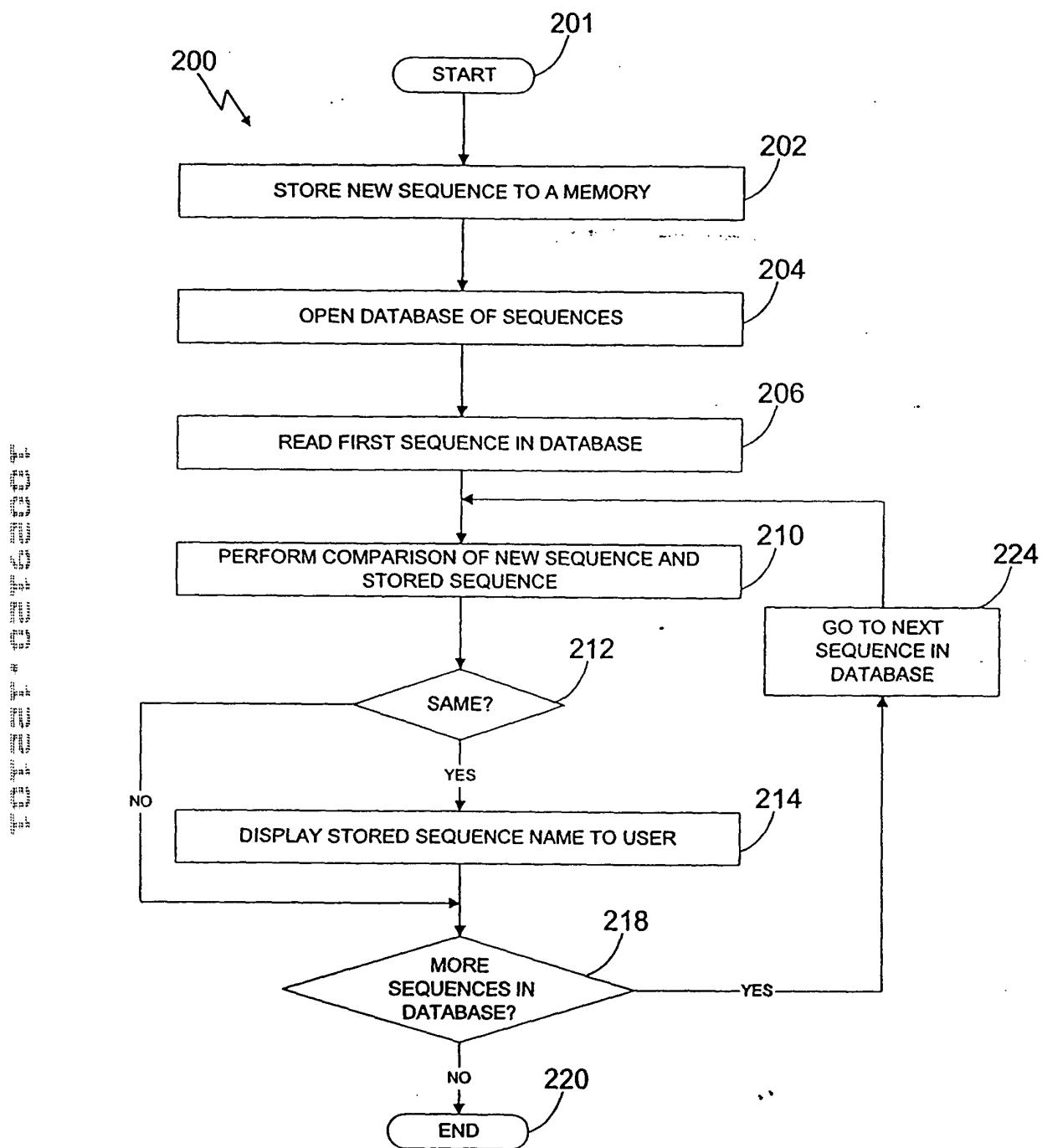


FIGURE 4

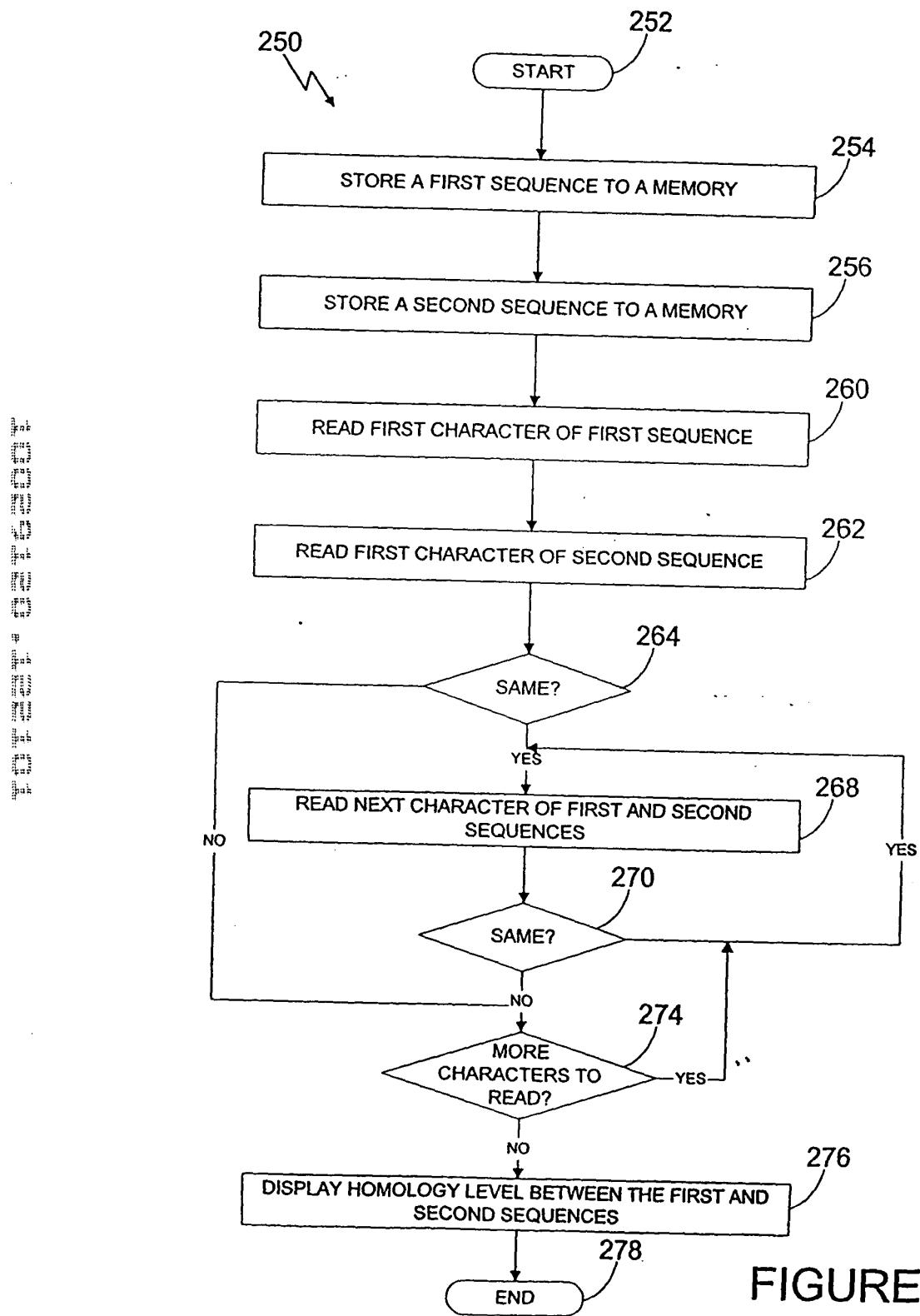


FIGURE 5

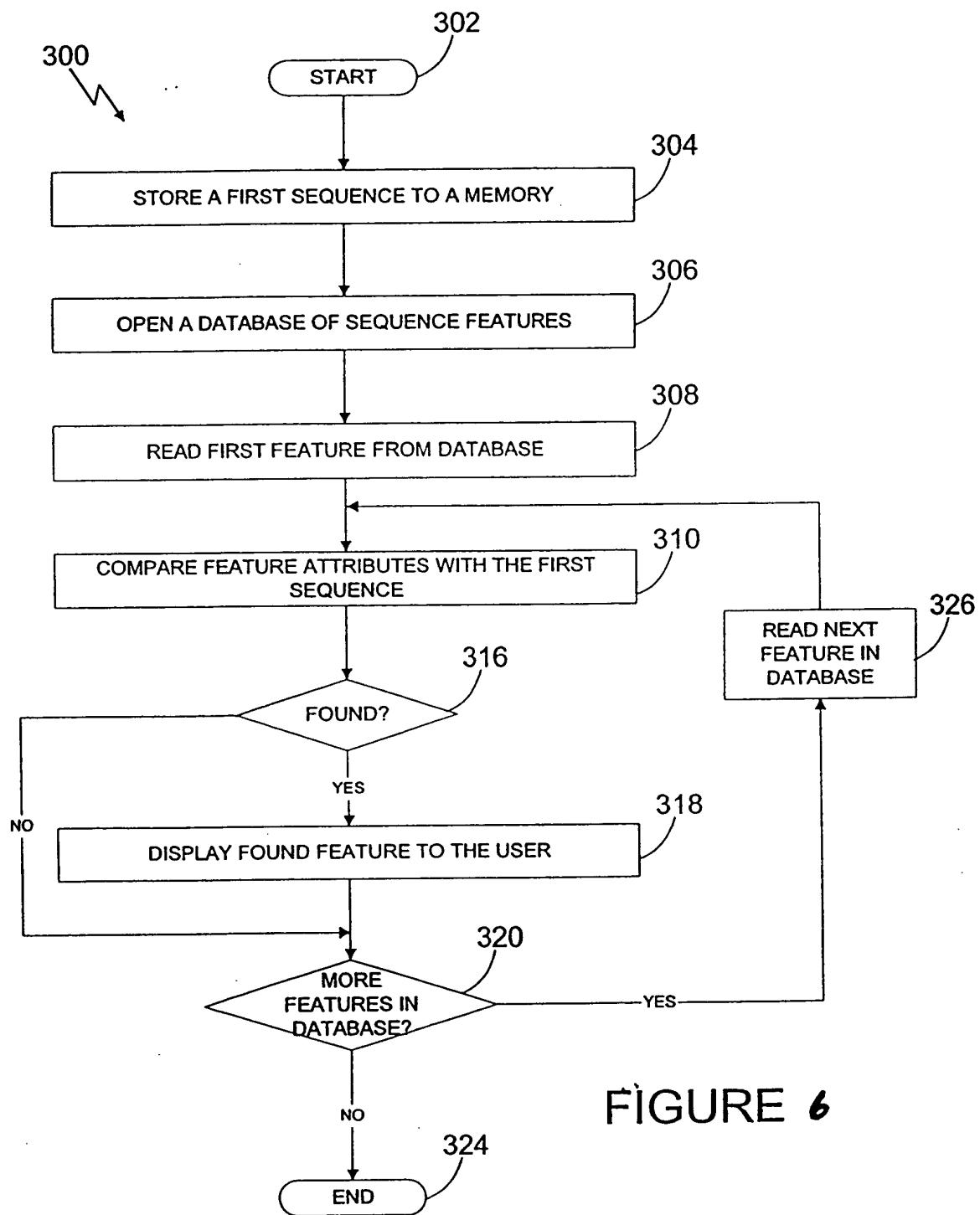


FIGURE 6